

Charge order in NaV₂O₅ studied by EPR

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Abstract

An exponential decrease in magnetic susceptibility in NaV₂O₅ is investigated using electron-paramagnetic resonance (EPR) measurements. Results show that with decreasing temperature, a quarter-filled ladder with strong charge disproportions is followed by zigzag charge-order fluctuations which become long range and static below 34K.

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